

## 8-Fiber SC UPC to ST UPC, OM4 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, Aqua-10M



### PE3FCA367-10M

#### Features

- 8X SC UPC to 8X ST UPC
- Indoor multimode OM4
- Plenum (OFNP) rated cable
- 5.6mm with tight buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for wall, ceiling, conduits, and between buildings

#### Applications

- Data centers
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- Enterprise Networking
- Storage and cloud based services
- AI data storage and communications
- Headend termination to a fiber backbone
- Terminations of data center fiber rack system

#### Description

High-performance fiber optic cable assemblies, including the PE3FCA367-10M from Pasternack, are designed for modern, high-speed network infrastructures and part of a large selection of same day ship cable assemblies. Whether deploying fiber optic distribution assemblies for enterprise networks, fiber optic breakout assemblies for seamless interconnectivity, or fiber optic patch cord assemblies for structured cabling, our solutions ensure durability and precision. Built for data centers, telecommunications, and industrial applications, our fiber optic distribution breakout assemblies deliver superior performance, ensuring optimal signal integrity and minimal loss.

For longer transmission distances and higher bandwidth, the Pasternack PE3FCA367-10M indoor OM4 fiber optic breakout assembly supports 10Gb Ethernet up to 550 meters and 40G/100G Ethernet up to 150 meters. Built with a tight buffered aramid yarn strength member, this 8-fiber multimode assembly features SC UPC to ST UPC connectors, a 5.6mmmm overall cable diameter, and a 2.0mm breakout diameter, ensuring superior durability and performance. The aqua-colored Plenum (OFNP) rated jacket is suitable for wall, ceiling, conduits, and between buildings, making it a reliable choice for data centers, telecom networks, and high-performance computing environments.

With a bandwidth of 4700MHz·km, Pasternack's PE3FCA367-10M OM4 fiber optic cable delivers low attenuation and high-speed performance for mission-critical applications. Its 42mm (7.5D) minimum bend radius and 0°C to 60°C operating temperature provide the flexibility needed for indoor routing, structured cabling, and conduit installations. Designed for hyperscale data centers and telecom backbones, this fiber optic assembly ensures seamless network connectivity with minimal signal loss. For further information on similar products, our expert technical support and trained sales team can get you the ideal fiber optic multi-fiber cable assembly as per your requirements.

#### Configuration

Function	Breakout
Cable Type	8-Fiber Multimode
Mode	Multimode
Mode Class	OM4
Fiber Diameter	50/125 um
Connection 1 Type	SC
Connection 1 Polish	UPC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Aqua Blue

#### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

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**PE3FCA367-10M**

**Optical Specifications**

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

**Mechanical Specifications**

**Cable Assembly**

Length	10 m [393.70 in]
Width/Diameter	5.6 mm
Weight	168.74 g [0.372 lbs]

**Cable**

Cable Type	Breakout
Static Bend Radius	42 mm
Dynamic Bend Radius	84 mm
Max Crush Resistance, Short Term (N/100mm)	1,000
Max Crush Resistance, Long Term (N/100mm)	300

**Connectors**

Description	Connector 1	Connector 2
Type	SC	ST
Connector Polish	UPC	UPC

**Environmental Specifications**

Operating Range Temperature	0 to +60 deg C
Storage Range Temperature	-20 to +60 deg C
Ingress Protection (IP) Rating	Non-Rated

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

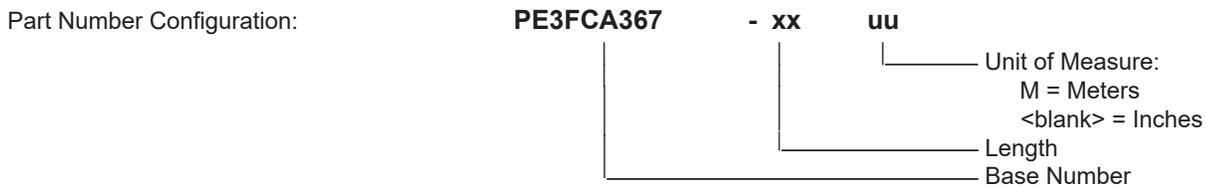
8-Fiber SC UPC to ST UPC, OM4 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, Aqua-10M



**PE3FCA367-10M**

**Typical Performance Data**

**How to Order**



Example:    PE3FCA367-12 = 12 inches long cable  
              PE3FCA367-100cm = 100 cm long cable

8-Fiber SC UPC to ST UPC, OM4 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, Aqua-10M from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

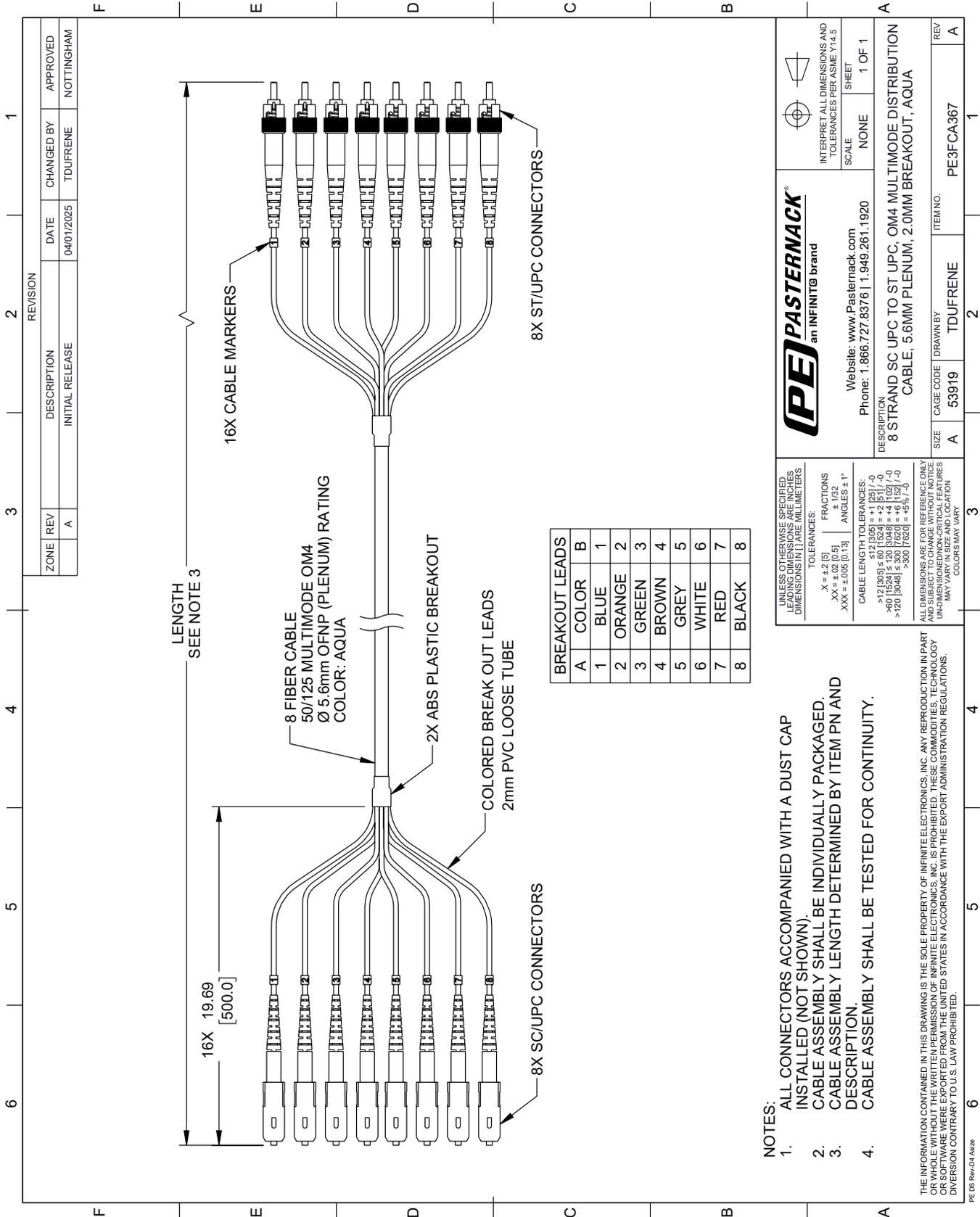
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [8-Fiber SC UPC to ST UPC, OM4 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, Aqua-10M PE3FCA367-10M](#)

URL: <https://www.pasternack.com/sc-st-multimode-upc-fiber-optic-cable-assembly-pe3fca367-10m-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE3FCA367-10M CAD Drawing

8-Fiber SC UPC to ST UPC, OM4 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, Aqua-10M



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	04/01/2025	TDUFRENE	NOTTINGHAM

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an INFINITE brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE  
SHEET: 1 OF 1

DESCRIPTION: 8 STRAND SC UPC TO ST UPC, OM4 MULTIMODE DISTRIBUTION CABLE, 5.6MM PLENUM, 2.0MM BREAKOUT, AQUA

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	TDUFRENE	PE3FCA367

**NOTES:**

- ALL CONNECTORS ACCOMPANIED WITH A DUST CAP INSTALLED (NOT SHOWN).
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

FRACTIONS:  
 ± 1/32  
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 <math>+12 [309] \le 60 [1524] = +1 [25] / -0</math>  
 <math>+60 [1524] \le 120 [3048] = +4 [102] / -0</math>  
 <math>> 120 [3048] \le 300 [7620] = +5% [1.5]</math>

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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